

STRATEGIC DEFENSE INITIATIVE

BMD C³ Approach



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BMD C3 PROGRAM

- **USSPACECOM Support Is Required For Effective Defense Against The Full Range Of Theater Threats**
 - Intra-theater
 - Inter-theater
 - Intercontinental
- **BMD C2 Is The Mechanism Through Which USSPACECOM Support Is Provided To Theater CINCs**
- **Challenge Is To Build A BMD C3 System That Supports Near-term TBMD Requirements And Is Extensible To Future Strategic Missions**

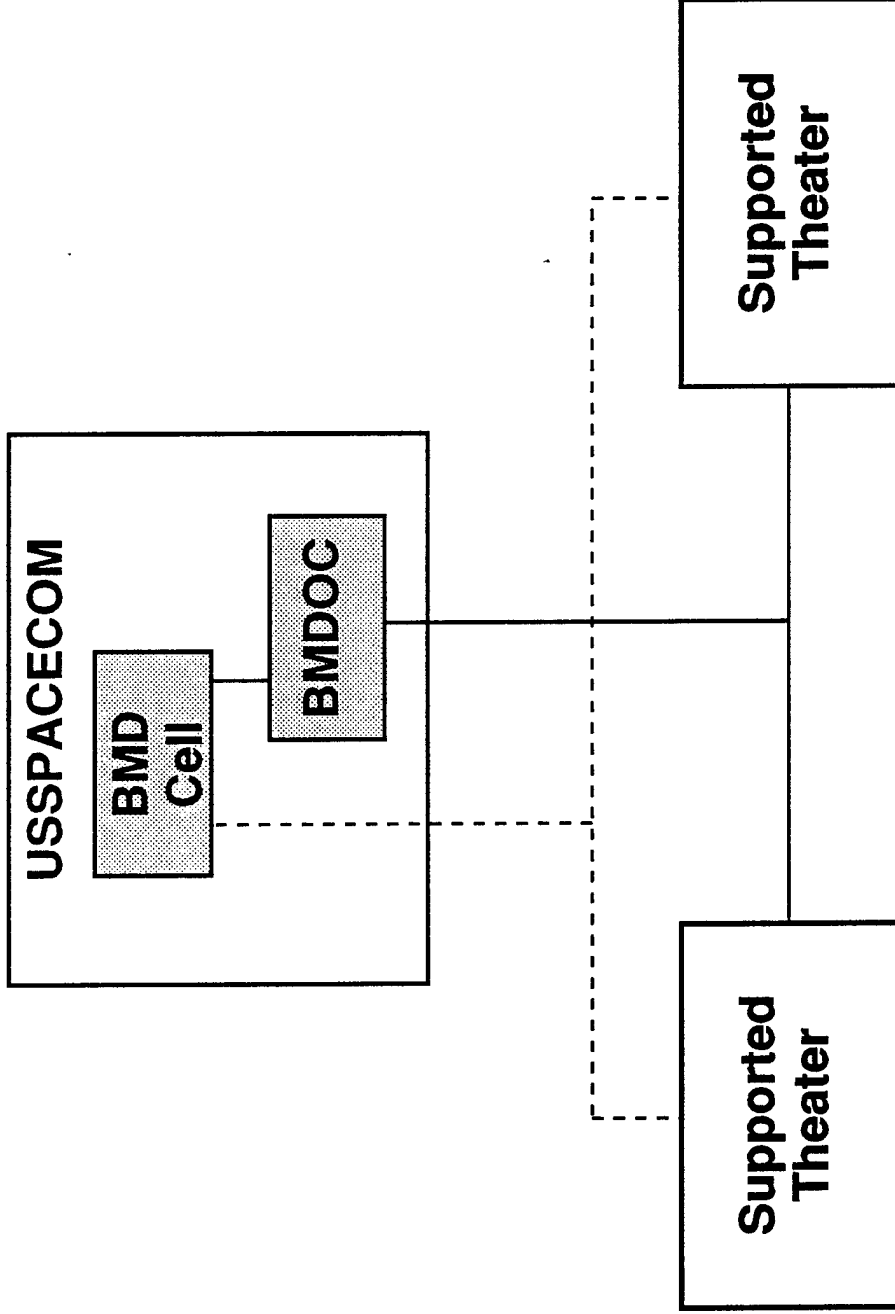


BMD C3 MUST SUPPORT

- **Deployed Forces / Friends / Allies**
 - **Joint / Combined Structure**
- **Multinational Assets**
- **Tailored In Each Theater**
 - **Sensors**
 - **Weapons**
 - **Infrastructure**
- **Defense Of U.S. / North America**
 - **Joint / Combined Structure**
- **Future Missions**



STRATEGIC-THEATER BMD C³ INTERFACES



----- Planning Coordination
----- Execution Coordination



BMD C3 CHARACTERISTICS

- **Stable In Peacetime**
- **Effective In Wartime**
- **Flexible**
 - **Theater Independent**
 - **Facility Independent**
 - **Accommodate New Sensors And Weapons**
 - **Accommodate Multiple / Varied Command And Control Levels**
 - **Accommodate New Missions**
- **Distributed Functionally And Geographically**

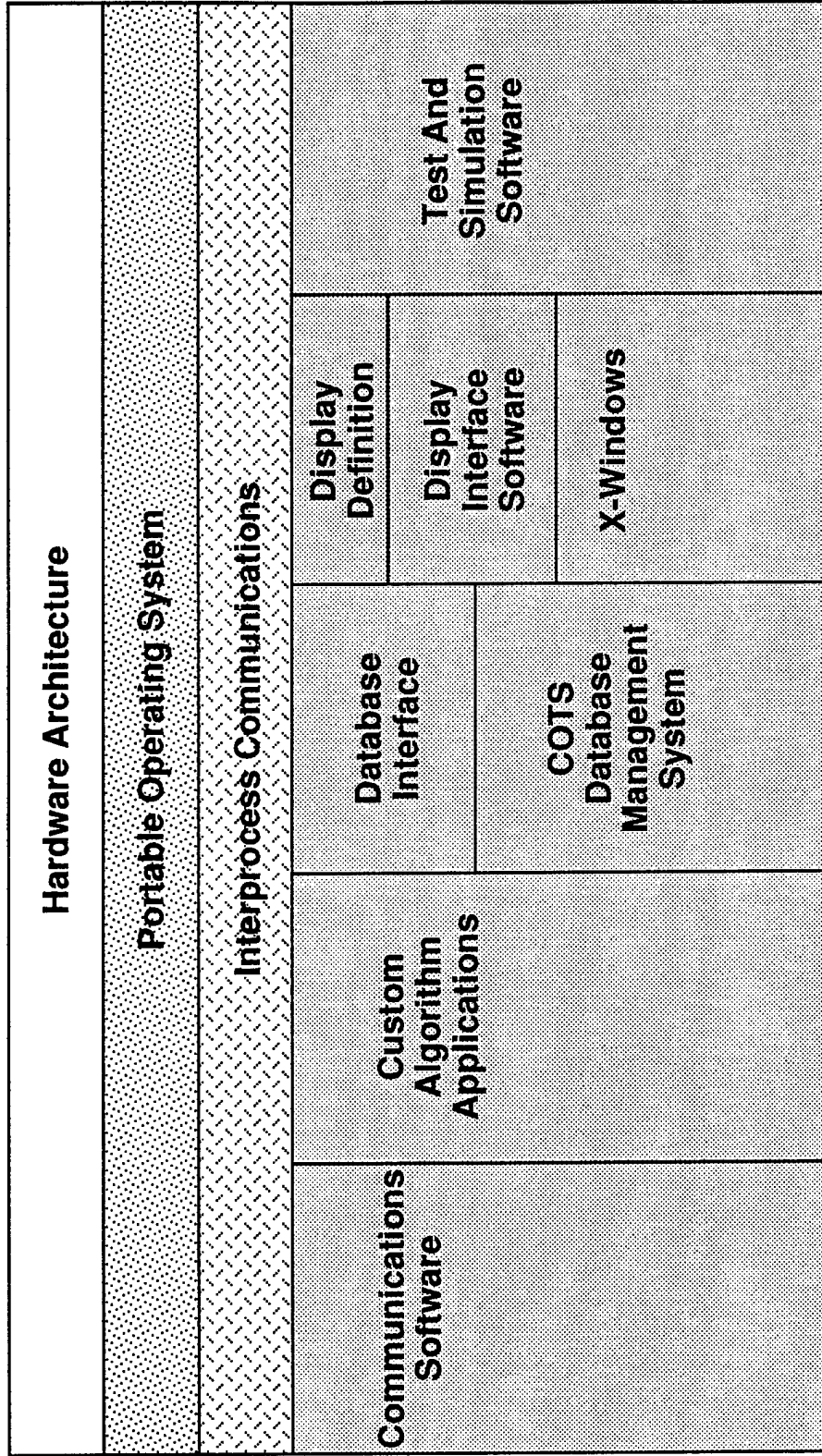


BMD C³ DESIGN CHARACTERISTICS

- **Open System Architecture**
- **Object Oriented Information Architecture**
- **Communication Through Standard Message Sets**
- **Standardized Interfaces**
- **Distributed Processing**
- **Extensive Use Of COTS Hardware And Software**
- **Evolutionary Acquisition Strategy**



BMD C3 SOFTWARE ARCHITECTURE





BMD C3 DESIGN EFFORTS SHOULD CONTINUE

- **BM / C3 Identified As "Long Pole In The Tent"**
- **Joint Development Team Established And Effective**
- **Information Architecture Formulation Underway**
- **Software Risk Mitigation Efforts In Progress**
- **Block 0 Facility Established At NTF**
- **BM / C3 Community Momentum Building**



ISSUES

- **Who Specifies / Manages Interfaces And Data Formats?**
- **What Is The Role Of Each Service?**
- **How Can Development Proceed Without All Requirements Being Specified?**